



GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	BALCHHAT	DATE OF LOGGING:	10.05.2023
BLOCK:	HARAKH	DRILLING DEPTH:	167.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	162.74 M
ENGG:	B BHASKAR RAO	LOGGING COMPANY:	Mining Associates Pvt. Ltd.
Rm	0.490 ohm/m	Rw	0.462 ohm/m
DISTRIC	BARABANKI		

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark (Quality of Aquifer Water)
	From (m)	To (m)			
1	0	3	3	Top Soil	
2	3	6	3	Coarse grain sand	Good
3	6	14	8	Fine grain sand	Medium
4	14	50	36	Medium grain sand K.I	Good
5	50	66.5	16.5	Sandy clay	
6	66.5	75	8.5	Medium grain sand	Good
7	75	86	11	Clay with sand	
8	86	89	3	Fine grain sand	Medium
9	89	97	8	Clay with sand	
10	97	111.5	14.5	Medium to fine grain sand	Good
11	111.5	130	18.5	Clay with sand	
12	130	137	7	Fine grain sand	Deteriorated
13	137	161	24	Clay with sand	

NOTE:-

1. ALL zones has intermixed with thin band of kankar
2. 130 mbgl to 161 mbgl formation zones have deteriorated

Verified as per logs provided.

For Mining Associates Pvt. Ltd.

B. Bhaskar Rao
Geophysicist

cc;

1. Executive Engineer, C.D. (Rural), U.P. Jal Nigam, Ayodhya
2. M/S PNC Infratech Limited, Barabanki

G.Sh
12/05/23